

## NISTTech

**A PROCESS FOR IMPROVING THE EFFICIENCY OF AUTOMATIC ICEMAKERS INSTALLED IN DOMESTIC REFRIGERATING APPLIANCES BY OPTIMIZING THE TIMING OF THE ICE MAKER PROCESS STEPS**

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### Applications

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- **Home**  
Everyone uses a refrigerator at home, and having a more efficient refrigerator means less electricity used.

### Advantages

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- **Easily implemented**  
The way as to make the cycles occur simultaneously is very easy to do

### Abstract

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Everyone knows what a refrigerator is, and most likely, uses one. A refrigerators temperature is generally maintained by cycling its refrigeration system. A refrigerator only begins the cooling process when it hits a maximum temperature. The cooling process is then ended once the refrigerators interior hits a minimum temperature. The ice maker of a refrigerator, also has its own cycle, but the two have their cycles acting independently of the other. The present invention is a way to have both cycles occur simultaneously, and to have their efficiency maximized

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### Status of Availability

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This invention is available for licensing exclusively or non-exclusively in any field of use.

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